J. Electroanal. Chem., 356 (1993) 331
Elsevier Sequoia S.A., Lausanne

Author index

Abruña, H. 43
Ahmed, M.F. 269

Beden, B. 255
Bento, M.F. 255
Bond, A.M. 25
Bontempelli, G. 67
Bury, P.C. 25

Chong, Y.-B. 163
Clarke, A.P. 287

De Santana, H. 145
Dubois, D. 93

Feldberg, S.W. 181
Fernández, J. 43
Finnin, B.C. 25
Fonseca, I. 255

Geng, L. 181

Hahn, F. 255
Hillman, A.R. 287

Ikeda, T. 295
Inukai, J. 275
Ito, M. 275

Jin, W. 171

Kadish, K.M. 93
Krishnan, V. 93
Kugita, T. 303
Kunugi, Y. 163
Kurosaki, T. 295
Kutner, W. 93

Lamy, C. 255
Leddy, J. 181
Léger, J.-M. 255
Lewerenz, H.J. 121
Lihua, N. 1
Lin, A.S. 309
Lopes, M.I.S. 255
Lorenzo, E. 43

Matsumoto, H. 275
Milun, M. 81
Mochida, K. 303
Moninot, G. 93
Myung, N. 281

Nikitas, P. 201, 225
Nonaka, T. 163

Oda, I. 275
O'Grady, W.E. 309
Okano, M. 303

Palombari, R. 157
Papadopoulos, N. 201, 225
Pariente, F. 43
Pendley, B. 43
Pletcher, D. 109

Rajeshwar, K. 281
Reed, B.L. 25
Rogers, L.C. 181
Rubim, J.C. 145
Russell, A.E. 309

Sankarapapavinasam, S. 269
Schiavon, G. 67
Sebastiani, B. 157
Shaolin, M. 59
Shouzhuo, Y. 1
Shufan, C. 59
Smalley, J.F. 181
Song, L. 1
Sotiropoulos, S. 109, 201, 225

Tait, R.J. 25
Taj, S. 269
Takayama, K. 295
Tatsuma, T. 245
Temperini, M.L.A. 145
Toniolo, R. 67
Trible, K. 43

Valla, T. 81
Van der Linden, B. 13
Vereecken, J. 13
Vos, J.G. 287
Vuković, M. 81

Wanzhi, W. 1
Watanabe, N. 163
Watanabe, T. 245, 245
Wei, C. 281
Williams, G.P. 309

Zhang, H. 171
Zotti, G. 67

J. Electroanal. Chem., 356 (1993) 333–337
Elsevier Sequoia S.A., Lausanne

Subject index

Activated ruthenium electrode
Electron spectroscopy characterization of an activated ruthenium electrode (Vuković et al.) 81
Adsorption
Evidence for adsorption of $Fe(CN)_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method (Smalley et al.) 181
Anodic dissolution
Determination of the diffusion coefficients of ligands in metal complex systems (Van der Linden, Vereecken) 13
Aprotic solvents
Electroreduction of buckminsterfullerene (C_{60}) in aprotic solvents. Part 2. Role of solvation (Krishnan et al.) 93

Bienzyme electrode
Electrochemical characterization of polypyrrole bienzyme electrodes with glucose oxidase and peroxidase (Tatsuma et al.) 245
Binding effects
Determination of copper at surface-modified electrodes: effects of competitive binding and electrode size (Lorenzo et al.) 43
Bioelectrocatalysis
Mediated electrocatalysis at a biocatalyst electrode based on a bacterium, *Gluconobacter industrius* (Takayama et al.) 295
Bioelectrochemical response
Effect of thiourea on the activity of the polypyrrole uricase electrode and determination of thiourea (Shaolin, Shufan) 59
Buckminsterfullerene
Electroreduction of buckminsterfullerene (C_{60}) in aprotic solvents. Part 2. Role of solvation (Krishnan et al.) 93

Cathodic reduction
A study of cathodic oxygen reduction at platinum using microelectrodes (Pletcher, Sotiropoulos) 109
Cd + Se system
Real-time and absolute compositional analyses of electrodeposited thin films via combined coulometry and electrochemical quartz crystal microgravimetry: application to the Cd + Se system (Myung et al.) 281
Cetyl-dimethyl-benzylammonium chloride
Interfacial micellization of cetyl-dimethyl-benzylammonium chloride and Tween-80^R at the Hg/electrolyte solution interphase (Sotiropoulos et al.) 225
Chronoamperometry
An explicit finite difference simulation for chronoamperometry at a disk microelectrode in a channel flow solution (Tait et al.) 25
Coadsorption
Coadsorption of copper and halogens on Pt(111) and Au(111) electrode surfaces studied by scanning tunneling microscopy (Matsumoto et al.) 275
Composite-plated electrodes
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electroorganic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Copper determination
Determination of copper at surface-modified electrodes: effects of competitive binding and electrode size (Lorenzo et al.) 43
Coulometry
Real-time and absolute compositional analyses of electrodeposited thin films via combined coulometry and electrochemical quartz crystal microgravimetry: application to the Cd + Se system (Myung et al.) 281

Dibenzodioxin
Electro-oxidative polymerization of *m*-chlorophenol and *m*-bromophenol (Taj et al.) 269

Differential adsorption chronopotentiometry
Investigations of adsorption potentiometry. Part 7. Theory of second- and third-order differential adsorption chronopotentiometry for a reversible reaction (Zhang, Jin) 171
Diphenylbenzidine cation species
In situ resonance Raman and reflectance spectroscopic study of the electrochemical oxidation of diphenylamine (De Santana et al.) 145
Disk microelectrode
An explicit finite difference simulation for chronoamperometry at a disk microelectrode in a channel flow solution (Tait et al.) 25
Double-layer structure
Evidence for adsorption of $Fe(CN)_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method (Smalley et al.) 181
Drug absorption
Nonlinear regression analysis of reversible ion transfer in current-scanning voltammetry (Wanzhi et al.) 1

Electrochemical oxidation of carbon monoxide
The electrochemical oxidation of carbon monoxide on a platinum/solid protonic conductor interface (Palombari, Sebastiani) 157
Electrochemical quartz crystal microgravimetry
Real-time and absolute compositional analyses of electrodeposited thin films via combined coulometry and electrochemical quartz crystal microgravimetry: application to the Cd + Se system (Myung et al.) 281
Electrochemical quartz crystal microbalance
The influence of prior electrode history on mobile species transfer characteristics of polymer modified electrodes (Clarke et al.) 287
Electrochemical sensors
The electrochemical oxidation of carbon monoxide on a platinum/solid protonic conductor interface (Palombari, Sebastiani) 157
Electrode activation
Effect of thiourea on the activity of the polypyrrole uricase electrode and determination of thiourea (Shaolin, Shufan) 59
Electrode kinetics
Electroreduction of buckminsterfullerene (C_{60}) in aprotic solvents. Part 2. Role of solvation (Krishnan et al.) 93
Electrodes
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electro-organic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Electrolysis
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electro-organic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Electron spectroscopy
Electron spectroscopy characterization of an activated ruthenium electrode (Vuković et al.) 81
Electro-organic reactions
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electro-organic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Electro-oxidative polymerization
Electro-oxidative polymerization of *m*-chlorophenol and *m*-bromophenol (Taj et al.) 269
Electropolymerization
Determination of copper at surface-modified electrodes: effects of competitive binding and electrode size (Lorenzo et al.) 43
Electroreduction
Electroreduction of buckminsterfullerene (C_{60}) in aprotic solvents. Part 2. Role of solvation (Krishnan et al.) 93
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electro-organic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Electrosorption
Electrosorption of sorbitol at platinum electrodes: effect of the superficial structure (Léger et al.) 255
Enzyme electrodes
Effect of thiourea on the activity of the polypyrrole uricase electrode and determination of thiourea (Shaolin, Shufan) 59

$Fe(CN)_6^{3-/4-}$
Evidence for adsorption of $Fe(CN)_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method (Smalley et al.) 181
Fermi level pinning
Surface states and Fermi level pinning at semiconductor/electrolyte junctions (Lewerenz) 121

Gluconobacter industrius
Mediated electrocatalysis at a biocatalyst electrode based on a bacterium, *Gluconobacter industrius* (Takayama et al.) 295
Glucose sensor
Electrochemical characterization of polypyrrole bienzyme electrodes with glucose oxidase and peroxidase (Tatsuma et al.) 245
Gold electrodes
Evidence for adsorption of $Fe(CN)_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method (Smalley et al.) 181

Hydrophobic
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electroorganic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163

Indirect laser-induced temperature-jump method
Evidence for adsorption of $Fe(CN)_6^{3-/4-}$ on gold using the indirect laser-induced temperature-jump method (Smalley et al.) 181
In situ resonance Raman spectroscopy
In situ resonance Raman and reflectance spectroscopic study of the electrochemical oxidation of diphenylamine (De Santana et al.) 145
Interface model
Surface states and Fermi level pinning at semiconductor/electrolyte junctions (Lewerenz) 121
Ion exchange voltammetry
Effect of the sample ionic strength on the preconcentration attained in ion exchange voltammetry (Toniolo et al.) 67
Ionic strength
Effect of the sample ionic strength on the preconcentration attained in ion exchange voltammetry (Toniolo et al.) 67

Lead
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electroorganic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163
Ligand diffusion coefficient
Determination of the diffusion coefficients of ligands in metal complex systems (Van der Linden, Vereecken) 13
Limiting current densities
A study of cathodic oxygen reduction at platinum using microelectrodes (Pletcher, Sotiropoulos) 109

Mathematical models
Determination of the diffusion coefficients of ligands in metal complex systems (Van der Linden, Vereecken) 13
Mercury
Adsorption of sodium dodecylsulphate on mercury as an example of micellization within a multilayer interphase (Sotiropoulos et al.) 201
Metal complex systems
Determination of the diffusion coefficients of ligands in metal complex systems (Van der Linden, Vereecken) 13
Micellization
Adsorption of sodium dodecylsulphate on mercury as an example of micellization within a multilayer interphase (Sotiropoulos et al.) 201
Interfacial micellization of cetyl-dimethylbenzylammonium chloride and Tween-80® at the Hg/electrolyte solution interphase (Sotiropoulos et al.) 225
Microelectrodes
A study of cathodic oxygen reduction at platinum using microelectrodes (Pletcher, Sotiropoulos) 109
Microscopy
Coadsorption of copper and halogens on Pt(111) and Au(111) electrode surfaces studied by scanning tunneling microscopy (Matsumoto et al.) 275
Mobile species transfer
The influence of prior electrode history on mobile species transfer characteristics of polymer modified electrodes (Clarke et al.) 287

Nonlinear regression analysis
Nonlinear regression analysis of reversible ion transfer in current-scanning voltammetry (Wanzhi et al.) 1

Organic electrodes
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electroorganic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163

Oxygen
A study of cathodic oxygen reduction at platinum using microelectrodes (Pletcher, Sotiropoulos) 109

Platinum electrodes
Electrosorption of sorbitol at platinum electrodes: effect of the superficial structure (Léger et al.) 255

Platinum/protonic conductor interface
The electrochemical oxidation of carbon monoxide on a platinum/solid protonic conductor interface (Palombari, Sebastiani) 157

Polymerization of phenols
Electro-oxidative polymerization of *m*-chlorophenol and *m*-bromophenol (Taj et al.) 269

Polymer modified electrode
The influence of prior electrode history on mobile species transfer characteristics of polymer modified electrodes (Clarke et al.) 287

Polypyrrole uricase electrode
Effect of thiourea on the activity of the polypyrrole uricase electrode and determination of thiourea (Shaolin, Shufan) 59

Preconcentration
Effect of the sample ionic strength on the preconcentration attained in ion exchange voltammetry (Toniolo et al.) 67

Redox polymer
The influence of prior electrode history on mobile species transfer characteristics of polymer modified electrodes (Clarke et al.) 287

Reflectance spectroscopy
In situ resonance Raman and reflectance spectroscopic study of the electrochemical oxidation of diphenylamine (De Santana et al.) 145

Reversible ion transfer
Nonlinear regression analysis of reversible ion transfer in current-scanning voltammetry (Wanzhi et al.) 1

Reversible reaction
Investigations of adsorption potentiometry. Part 7. Theory of second- and third-order differential adsorption chronopotentiometry for a reversible reaction (Zhang, Jin) 171

Ruthenium
Electron spectroscopy characterization of an activated ruthenium electrode (Vuković et al.) 81

Scanning
Coadsorption of copper and halogens on Pt(111) and Au(111) electrode surfaces studied by scanning tunneling microscopy (Matsumoto et al.) 275

Semiconductor/electrolyte junctions
Surface states and Fermi level pinning at semiconductor/electrolyte junctions (Lewerenz) 121

Simulation
An explicit finite difference simulation for chronoamperometry at a disk microelectrode in a channel flow solution (Tait et al.) 25

Size effects
Determination of copper at surface-modified electrodes: effects of competitive binding and electrode size (Lorenzo et al.) 43

Sodium dodecylsulphate
Adsorption of sodium dodecylsulphate on mercury as an example of micellization within a multilayer interphase (Sotiropoulos et al.) 201

Solvation effects
Electroreduction of buckminsterfullerene (C_{60}) in aprotic solvents. Part 2. Role of solvation (Krishnan et al.) 93

Sorbitol
Electrosorption of sorbitol at platinum electrodes: effect of the superficial structure (Léger et al.) 255

Superficial structure
Electrosorption of sorbitol at platinum electrodes: effect of the superficial structure (Léger et al.) 255

Surface-modified electrodes
Determination of copper at surface-modified electrodes: effects of competitive binding and electrode size (Lorenzo et al.) 43

Surface state model
Surface states and Fermi level pinning at semiconductor/electrolyte junctions (Lewerenz) 121
Surface states
Surface states and Fermi level pinning at semiconductor/electrolyte junctions (Lewerenz) 121

Thin films
Real-time and absolute compositional analyses of electrodeposited thin films via combined coulometry and electrochemical quartz crystal microgravimetry: application to the Cd + Se system (Myung et al.) 281
Thiourea
Effect of thiourea on the activity of the polypyrrole uricase electrode and determination of thiourea (Shaolin, Shufan) 59
Tunelling
Coadsorption of copper and halogens on Pt(111) and Au(111) electrode surfaces studied by scanning tunneling microscopy (Matsumoto et al.) 275
Tween-80^{R}
Interfacial micellization of cetyl-dimethylbenzylammonium chloride and Tween-80^{R} at the Hg/electrolyte solution interphase (Sotiropoulos et al.) 225

Water-organic phase interface
Nonlinear regression analysis of reversible ion transfer in current-scanning voltammetry (Wanzhi et al.) 1

Zinc
Preparation of hydrophobic zinc and lead electrodes and their application to electroreduction of organic compounds electroorganic reactions on organic electrodes. Part 20: electrolysis using composite-plated electrodes. Part IX (Kunugi et al.) 163